## WHAT IS CLAIMED IS:

- 1. An image-recording element comprising a support and an image-receiving layer, wherein said imaging receiving layer comprises anionic colloidal silica particles, hydrophilic polymeric binder, and fluorosurfactant, wherein said binder is present in an amount of between 2% and 15% by weight of said image-receiving layer, said image-recording element has a 60-degree gloss of greater than 25, and a dry time of less than 1 minute.
- 2. The image-recording element of claim 1 wherein said anionic colloidal silica particles have a median diameter of between 50 and 300 nm.
- 3. The image-recording element of claim 1 wherein said anionic colloidal silica particles have a median diameter of between 80 and 200 nm.
- 4. The image-recording element of claim 1 wherein the counterion for said anionic colloidal silica particles comprises potassium.
- 5. The image-recording element of claim 1 wherein at least 80% of said anionic colloidal silica particles have a diameter of within 35% smaller or larger than the median diameter of said anionic colloidal silica particles.
- 6. The image-recording element of claim 1 wherein said hydrophilic polymeric binder is poly(vinyl alcohol).
- 7. The image-recording element of claim 1 wherein said hydrophilic polymeric binder is poly(vinyl alcohol) having a percent hydrolysis of 77 to 90.
- 8. The image-recording element of claim 1 wherein said hydrophilic polymeric binder is poly(vinyl alcohol) having a viscosity for a 4% aqueous solution at 20° C of 2.5 to 12 cps.

- 9. The image-recording element of claim 1 wherein said hydrophilic polymeric binder is gelatin.
- 10. The image-recording element of claim 1 wherein said hydrophilic polymeric binder is poly(vinyl alcohol-co-ethyleneoxide).
- 11. The image-recording element of claim 1 wherein said fluorosurfactant is selected from at least one member of the group consisting of:

$$F \leftarrow CF_2CF_2 \xrightarrow{}_{3-8} CH_2CH_2O \leftarrow CH_2CH_2O \xrightarrow{}_{x} H$$

$$F \leftarrow CF_2CF_2 \xrightarrow{}_{3-8} CH_2CH_2O \leftarrow CH_2CH_2O \xrightarrow{\mathbf{y}} H$$

$$F - \left( CF_2CF_2 - \frac{1}{3-8} CH_2CH_2O - CH_2CH_2O - \frac{1}{2} H \right)$$

wherein x < y < z and x, y, and z are between 0 and 25 and wherein the distribution of the perfluoroethylene units in the perfluorinated portion of the three surfactants is different.

- 12. The image-recording element of claim 1 wherein said fluorosurfactant comprises polymeric fluorosurfactants.
- 13. The image-recording element of claim 1 wherein said fluorosurfactant comprises an oligomeric acrylamide of the general formula I:

wherein

x is 2 to 8;

y is 2 to 6;

z is 5 to 60;

R<sub>1</sub> is H or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sub>2</sub> and R<sub>3</sub> can be any of the following combinations:

R<sub>2</sub> and R<sub>3</sub> each independently represent an unsubstituted or substituted alkyl or aryl group,

R<sub>2</sub> is H and R<sub>3</sub> is an isopropyl group, or

 $R_2$  and  $R_3$ , together with the adjacent N atom, form a heterocyclic ring.

14. The image-recording element of claim 13 wherein

x is 3 or 4;

y is 2 or 3;

z is 5 to 15;

X is S;

R<sub>1</sub> is H; and

 $R_2$  and  $R_3$  can be any of the following combinations:

 $R_2$  and  $R_3$  each independently represent a methyl or ethyl group, or  $R_2$  is H and  $R_3$  is an isopropyl group.

15. The image-recording element of claim 13 wherein

R<sub>2</sub> and R<sub>3</sub> are methyl groups.

16. The image-recording element of claim 1 wherein said fluorosurfactant comprises an ethylene oxide oligomer of general formula II:

$$F \xrightarrow{C} CF_{2}CF_{2} \xrightarrow{x} CH_{2} \xrightarrow{C} S_{n} \xrightarrow{C} CH_{2} CH_{2} - O \xrightarrow{x} R_{1}$$

$$CH_{2} CH_{2} CH_{2} - O \xrightarrow{x} R_{1}$$

$$CH_{2} CH_{2} CH_{2} - O \xrightarrow{x} R_{1}$$

wherein

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x is 2 to 8;

y is 1 to 6;

z is 4 to 30;

n is 0 or 1;

 $R_1$  is H, a methyl or an ethyl group.

17. The image-recording element of claim 16 wherein

x is 3 or 4;

y is 2 or 3;

z is 10 to 18;

n is 1; and

 $R_1$  is a methyl group.

18. The image-recording element of claim 16 wherein

x is 3 or 4; y is 2; z is 12 to 16; n is 1; and R<sub>1</sub> is a methyl group.

19. The image-recording element of claim 1 wherein said fluorosurfactant comprises an oligomeric acrylamide of general formula III:

wherein

x is 2 to 8;

y is 2 to 6;

z is 5 to 60;

 $R_1$  is H or  $C_1$ - $C_3$  alkyl; and

R<sub>2</sub> and R<sub>3</sub> can be any of the following combinations:

R<sub>2</sub> and R<sub>3</sub> each independently represent an unsubstituted or substituted alkyl or aryl group,

R2 is H and R3 is an isopropyl group, or

 $R_2$  and  $R_3$ , together with the adjacent N atom, form a heterocyclic ring.

20. The image-recording element of claim 19 wherein

x is 3 or 4;

y is 2 or 3;

z is 16 to 50;

R<sub>1</sub> is H or methyl; and

R<sub>2</sub> and R<sub>3</sub> can be either of the following combinations:

 $R_2$  and  $R_3$  each independently represent a methyl or ethyl group, or  $R_2$  is H and  $R_3$  is an isopropyl group.

21. The image-recording element of claim 19 wherein

x is 3;

. . .

y is 2;

z is 25;

R<sub>1</sub> is H; and

R<sub>2</sub> and R<sub>3</sub> represent a methyl group.

- 22. The image-recording element of claim 1 wherein said fluorosurfactant comprises between 0.05% and 3% of said image-receiving layer by weight.
- 23. The image-recording element of claim 1 wherein said image-receiving layer further comprises a latex polymer having a glass transition temperature of less than 30° C.
- 24. The image-recording element of claim 23 wherein said latex polymer is present in an amount of between 4% and 15% by weight of said image-receiving layer.
- 25. The image-recording element of claim 1 wherein said image-receiving layer further comprises a hardener.
- 26. The image-recording element of claim 1 wherein said image-receiving layer comprises borax; boric acid or its salts; 1,4-dioxane-2,3-diol; glyoxal; or bis(vinylsulfonyl)methane as a hardener.

- 27. The image-recording element of claim 1 wherein said support is nonporous and said image-receiving layer has a total coverage 35 and 65 g/m<sup>2</sup>.
- 28. The image-recording element of claim 1 wherein said support is porous and said image-receiving layer has a total coverage of between 4 and 30  $g/m^2$ .
- 29. The image-recording element of claim 1 wherein said support is porous and said image-receiving layer has a total coverage of between 6 and 20  $g/m^2$ .
- 30. The image-recording element of claim 1 wherein an inkabsorbing layer is present between said support and said image-receiving layer.
- 31. The image-recording element of claim 30 wherein said inkabsorbing layer is porous, and said image-receiving layer has a total coverage of between 4 and  $30 \text{ g/m}^2$ .
- 32. The image-recording element of claim 30 wherein said inkabsorbing layer is porous, and said image-receiving layer has a total coverage of between 6 and  $20 \text{ g/m}^2$ .
- 33. The image-recording element of claim 1 wherein the surface pH of said image-receiving layer moistened with water is between 8 and 10.
- 34. The image-recording element of claim 1 wherein said image-recording element comprises an inkjet image-recording element.